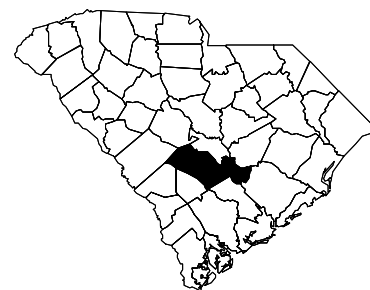


IMPACT OF CHRONIC CONDITIONS ORANGEBURG County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Orangeburg county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Orangeburg county's population is similar to the state population. The majority (38%) of the population in Orangeburg county are between the ages of 18-44, and there are more females (54%) than males (46%). However, Orangeburg county has a higher minority population (63%) than the state (32%). When adults in Orangeburg county were asked about their general health status, 81.2% reported having excellent, very good, or good health in 2002 (SC was 83%).

	ORANGEBURG COUNTY	STATE
Population size	91,190	4,107,183
Age distribution (%)		
<18	25	24
18-44	38	40
45-64	24	24
65-84	12	11
85+	2	1
Race (%)		
White	37	68
Black & Other	63	32
Sex (%)		
Male	47	49
Female	54	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Orangeburg county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	29	27
Sedentary lifestyle	41	42
Overweight	75	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	28	.	.	.	.	28.4
Number of hospitalizations	199	146	53	85	114	5,173
Standard rate of hospitalizations (per 100,000)	214	288	130	211	207	125
Median age of hospitalized patients	63	58	73	58	68	63
Total cost of hospitalization (\$)	3,902,000	3,097,500	804,500	1,628,200	2,273,800	79,350,400
Average length of hospital stay (days)	6	7	5	6	6	5
Number of ED visits	217	168	49	72	145	7,306
Standard rate of ED visits (per 100,000)	235	320	116	176	282	175
Median age of ED patients	53	53	58	53	53	53
Total cost of ED visits (\$)	245,700	170,300	75,400	77,800	167,900	5,902,800
Number of deaths*	18	9	9	6	12	366
Standard death rate (per 100,000)*	19	19	19	16	20	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	6.27	.	.	.	.	5.13
Number of hospitalizations	826	336	490	463	363	30,831
Standard rate of hospitalizations (per 100,000)	851	676	1,055	1,117	646	734
Median age of hospitalized patients	63	53	68	63	58	68
Total cost of hospitalization (\$)	23,740,300	10,305,700	13,434,600	13,132,900	10,607,400	969,122,700
Average length of hospital stay (days)	5	6	5	5	6	5
Number of ED visits	87	39	48	39	48	2,754
Standard rate of ED visits (per 100,000)	92	79	106	97	87	66
Median age of ED patients	58	58	48	55	58	63
Total cost of ED visits (\$)	505,600	229,600	276,000	230,700	274,900	10,617,900
Number of deaths*	259	135	123	142	117	9,723
Standard death rate (per 100,000)*	271	286	257	379	194	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.36	.	.	.	.	2.38
Number of hospitalizations	336	167	169	147	189	14,317
Standard rate of hospitalizations (per 100,000)	350	337	354	369	331	351
Median age of hospitalized patients	73	65	73	70	73	73
Total cost of hospitalization (\$)	8,074,300	4,537,000	3,537,300	4,145,400	3,928,900	279,819,700
Average length of hospital stay (days)	8	9	7	8	8	6
Number of ED visits	72	38	34	33	39	2,732
Standard rate of ED visits (per 100,000)	76	77	75	83	71	67
Median age of ED patients	78	83	68	60	83	73
Total cost of ED visits (\$)	236,500	100,400	136,100	102,300	134,200	6,322,600
Number of deaths*	83	41	42	33	50	2,816
Standard death rate (per 100,000)*	89	88	88	106	83	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	367	194	173	140	227	14,524
Standard rate of hospitalizations (per 100,000)	394	370	398	344	432	351
Median age of hospitalized patients	53	40	63	48	58	58
Total cost of hospitalization (\$)	6,929,300	3,900,800	3,028,500	2,824,300	4,105,000	198,700,700
Average length of hospital stay (days)	5	5	6	5	5	5
Number of ED visits	1,190	939	251	506	684	37,517
Standard rate of ED visits (per 100,000)	1,328	1,637	748	1,213	1,425	914
Median age of ED patients	23	23	43	18	33	33
Total cost of ED visits (\$)	1,362,500	1,050,100	312,400	664,900	697,600	30,607,600
Number of deaths*	45	10	35	22	23	1,891
Standard death rate (per 100,000)*	47	21	71	60	38	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.13	.	.	.	.	8.33
Number of hospitalizations	297	220	77	152	145	8,652
Standard rate of hospitalizations (per 100,000)	315	406	196	359	273	207
Median age of hospitalized patients	53	58	53	48	58	53
Total cost of hospitalization (\$)	4,639,600	2,981,000	1,658,600	1,980,800	2,658,800	127,167,500
Average length of hospital stay (days)	6	5	7	5	7	6
Number of ED visits	270	214	56	109	161	9,316
Standard rate of ED visits (per 100,000)	288	409	133	258	308	224
Median age of ED patients	58	58	53	53	63	53
Total cost of ED visits (\$)	417,000	341,500	75,500	176,300	240,700	8,261,100
Number of deaths*	30	21	9	5	4	1,114
Standard death rate (per 100,000)*	31	44	19	24	16	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	716	439	277	264	452	24,644
Standard rate of hospitalizations (per 100,000)	767	862	625	643	896	591
Median age of hospitalized patients	58	53	63	68	53	58
Total cost of hospitalization (\$)	16,808,700	10,066,000	6,742,700	6,759,700	10,049,000	605,119,300
Average length of hospital stay (days)	6	6	6	6	6	6
Number of deaths*	205	108	97	113	92	8,320
Standard death rate (per 100,000)*	211	226	199	282	163	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	66	42	24	30	36	2,113
Standard rate of hospitalizations (per 100,000)	68	86	49	76	64	51
Median age of hospitalized patients	68	68	68	68	73	68
Total cost of hospitalization (\$)	2,459,900	1,683,600	776,300	1,049,200	1,410,700	80,248,200
Average length of hospital stay (days)	10	11	9	10	11	10
Number of deaths*	26	16	10	16	10	807
Standard death rate (per 100,000)*	26	34	19	40	18	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	33	17	16	.	33	1,465
Standard rate of hospitalizations (per 100,000)	34	33	35	.	62	35
Median age of hospitalized patients	58	53	63	.	58	63
Total cost of hospitalization (\$)	461,800	217,000	244,800	.	461,800	21,213,600
Average length of hospital stay (days)	2	2	2	.	2	3
Number of deaths*	17	11	6	-	17	630
Standard death rate (per 100,000)*	19	23	14	-	32	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	11	2	.	13	222
Standard rate of hospitalizations (per 100,000)	15	22	5	.	27	5
Median age of hospitalized patients	43	43	55	.	43	48
Total cost of hospitalization (\$)	166,300	142,300	24,000	.	166,300	3,668,300
Average length of hospital stay (days)	3	4	2	.	2	4
Number of deaths*	1	1	-	2	2	26
Standard death rate (per 100,000)*	2	2	-	3	4	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	58	27	31	39	19	2,154
Standard rate of hospitalizations (per 100,000)	58	53	65	89	34	51
Median age of hospitalized patients	68	68	68	68	68	68
Total cost of hospitalization (\$)	1,802,100	906,600	895,500	1,058,600	743,500	70,474,400
Average length of hospital stay (days)	10	10	10	9	12	9
Number of deaths*	48	19	29	31	17	2,481
Standard death rate (per 100,000)*	48	39	57	74	30	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	77	45	32	77	.	1,353
Standard rate of hospitalizations (per 100,000)	78	91	65	187	.	32
Median age of hospitalized patients	68	68	70	68	.	68
Total cost of hospitalization (\$)	1,562,400	953,200	609,200	1,562,400	.	24,726,200
Average length of hospital stay (days)	3	3	2	3	.	4
Number of deaths*	10	7	3	10	-	478
Standard death rate (per 100,000)*	10	15	6	26	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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